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A portable computer-display unit with a cover assembly hinged at one edge and adapted to a clamshell notebook-like assembly, wherein said computer-display unit is made relatively thin and light weight so that users can easily carrying it for long periods of time, the portable computer-display unit comprising:

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- a. a flat panel display assembly having a flat panel display device, microcomputer system means, support electronics and assembly housing;
 - b. expandable hinge means attached at one edge of the flat panel display assembly housing;
 - c. a cover assembly roughly the same size of the flat panel display assembly, attached at one edge of the expandable hinge means, such that the user has options to open and close said cover assembly and flat panel display assembly like a book; and
 - d. said expandable hinge means adapted so that users have options to place relatively thin flat objects such as papers between the flat panel display assembly and said cover assembly, wherein said expandable hinge means will expand to accommodate to the thickness of said thin flat objects.

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A method of controlling a computer-display handset unit operated by a user, said computer-display unit comprising the steps of:

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- a) executing a micro computer operating system for control of said portable computer-display unit, wherein said operating system is adapted to accepting user inputs and generating processing outputs of said portable hand held computer-display units;
 - b) selecting a plurality of computing and communication modes in coordination with said executing micro computer operating system step, wherein said modes includes wireless voice, wireless data and convention computing functions, and wherein said user has options to run these modes roughly simultaneously and said selecting step is manual or automatic;

c) controlling said plurality of computer and communications modes, such that multiple functions of said hand held computer-display unit appear roughly simultaneous and seamless in operation; and

d) executing a plurality of application programs under control of said operation system and controlling step, wherein said plurality of program functions such as internet browser functions, e-mail functions, voice communications, voice mail, personal productivity functions and telephony functions.

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A notebook computer unit having two leaf structures that can be opened and closed like a book, wherein the computer unit can be used for conventional personal computing and data processing functions by a user, notebook computer unit comprising:

- a) a flat panel display assembly having a flat panel display device, control electronics and connection means all of which forms a first leaf structure;
- b) a microprocessor system electrically interfaced to said flat panel display assembly, having control circuitry, internal memory means and data storage means;
- c) a battery power means electrically connected to said flat panel display microprocessor system and flat panel display device; and
- d) a cover assembly forming a second leaf structure which is hinge connected to said flat panel assembly at an edge of each leaf structure, wherein said cover assembly has a recessed cutout area for optional placement of a wireless communications handset or other objects, and wherein the cut out area is slightly larger than said object and roughly equivalent shape and deep enough for said object to fit, such that said notebook computer unit can be closed.

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A portable computer-display unit having a notebook-like arrangement having two leaf structures, in which a user has an option to open and close like at book, the portable computer-display unit comprising:

- a) a flat panel display assembly defining a first leaf structure, comprised of a display device, display screen, drive electronics, and control electronics;

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- b) microcomputer system electrically interfaced to said flat panel display device, said microcomputer system having a microprocessor unit, data storage means, input/output means and control circuitry;
 - c) a roughly transparent cover panel defining a second leaf structure, hinged to said first leaf structure at one edge of each leaf structure, wherein said user can open and close the two leaf structures like a notebook; and
 - d) said transparent cover panel being sufficiently transparent so that said display screen information is viewable when said leaf structures are closed.

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5. A notebook computer having a clam shell like structure having two leaf halves that a user can open and close like a book, the notebook computer comprising:

- a) a display assembly having a flat panel device, display screen and control electronics;
- b) a cover assembly pivotally attached at one edge of said display assembly via a hinge means, wherein the user have options to open and close said display assembly and cover assembly like a book;
- c) a relatively thin sheet-like member interposed between said display assembly and said cover assembly is pivotally attached to said hinges means, wherein said thin sheet member serves in-part as a physical protection function; and
- d) said thin sheet-like member is roughly the same length and width as said cover assembly or display assembly, wherein said sheet-like member can be pivotally moved back and forth like a page in a book.

6. A battery operated portable electronics unit adapted for quick and easy battery means replacement so that a user can refresh said battery means, the portable electronics unit comprising:

- a) a power unit having a battery source, first electrical connection means, and first housing enclosure;
- b) a control unit assembly having support electronics, second electrical connections means and second housing enclosure, wherein said electronics unit is adapted to physical attachment and electrical connection to said power unit;

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- c) said power unit and said electronics unit are adapted to physical attachment and electrical connection at external surfaces of said first and second housing enclosures, wherein electrical mating is accomplished via electrical connector means, and wherein said physical attachment of said housing enclosures is accomplished via external surface connection and latching means;
 - d) said external surface connection and latching means is adapted to quick release and attach functions, having finger or hand actuated mechanical release and latching function, for which separate tool or tools are not required.
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IN THE SPECIFICATION:

With respected to the originally filed application of 08/832,923 filed on 04/04/97 the following corrections have been made in the application herein submitted:

Page 4, line 20, "Fig. 8" as originally filed, is herein replaced with -- Figs. 8A and 8B --

Page 7, line 7, the label number "34" as originally filed is herein changed to -- 35 --

Page 8, line 12, between the words "of" and "invention", add the word: -- the --

The above correction have been made to the reformatted reprinted specification filed herein.

IN THE DRAWINGS:

In the previously informal drawings filed 04/04/97, Element 34 was erroneously used twice, once in Fig. 2 and once in Fig. 3. Therefore, applicant requests drawing element 34 of Fig. 2 to be changed to 35, and the element 34 of Fig. 3 to remain the same.

Informal drawing Fig. 8 has been split into two figures: Fig. 8A and Fig. 8B, in order in satisfy office drawing rules.

In the Informal Drawings filed 04/04/97, in Fig. 1, element label 4A was erroneously missing. In the Formal drawings herein submitted, applicant has added label 4A to Fig 1.

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